

ATR (phospho Thr1989) antibody [GT222]

Cat. No. GTX631845

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	WB, ICC/IF, IP
Reactivity	Human

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IP	1:100-1:500

Not tested in other applications.

Calculated MW 301 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding phospho Thr1989 of human ATR. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

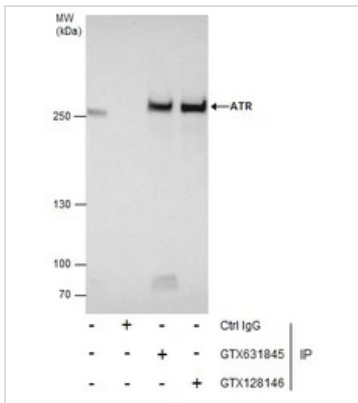
Note

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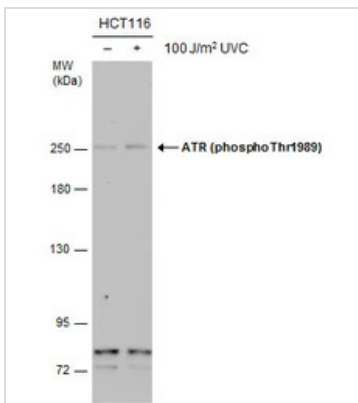
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DATA IMAGES

GTK631845 IP Image

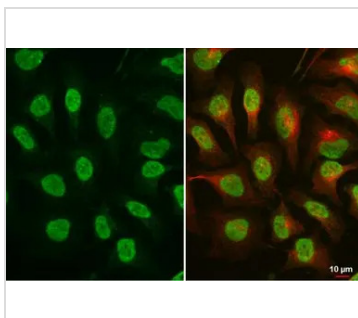
Immunoprecipitation of ATR protein from HCT-116 whole cell extracts treated with 2 mM Hydroxyurea 6 hrs using 5 µg of ATR antibody (GTK631845) or ATR antibody (GTK128146).

Western blot analysis was performed using ATR antibody (GTK631845) diluted at 1:500.

EasyBlot anti-Mouse IgG (GTK221667-01) was used as a secondary reagent.


GTK631845 WB Image

Untreated (-) and treated (+) HCT116 whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATR (phospho Thr1989) antibody [GTK222] (GTK631845) diluted at 1:500. The signal was developed with Trident ECL plus-Enhanced.

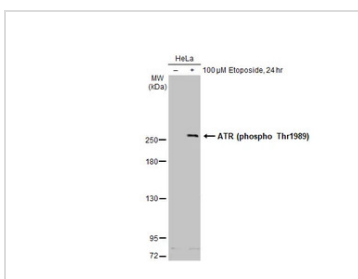

GTK631845 ICC/IF Image

ATR (phospho Thr1989) antibody [GTK222] detects ATR (phospho Thr1989) protein at nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: ATR (phospho Thr1989) stained by ATR (phospho Thr1989) antibody [GTK222] (GTK631845) diluted at 1:500.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody (GTK102079) diluted at 1:1000.


GTK631845 WB Image

Untreated (-) and treated (+) HeLa whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATR (phospho Thr1989) antibody [GTK222] (GTK631845) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTK213111-01) was used to detect the primary antibody.



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